

US-PAT-NO: 6090195

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TITLE: Compositions used in manufacturing  
articles having an inorganically filled organic polymer  
matrix

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Detailed Description Text - DETX (70):

Examples of useful aggregates include perlite, vermiculite, sand, gravel, rock, limestone, sandstone, glass beads, aerogels, xerogels, seagel, mica, clay, synthetic clay, alumina, silica, fly ash, fumed silica, fused silica, tabular alumina, kaolin, microspheres, hollow glass spheres, porous ceramic spheres, gypsum dihydrate, calcium carbonate, calcium aluminate, cork, seeds, lightweight polymers, xonotlite (a crystalline calcium silicate gel), lightweight expanded clays, hydrated or unhydrated hydraulic cement particles, pumice, exfoliated rock, and other geologic materials. Partially hydrated and hydrated cement, as well as silica fume, have a high surface area and give excellent benefits such as high initial cohesiveness of the freshly formed article.

Claims Text - CLTX (13):

8. An inorganically filled composition as defined in claim 1, wherein the inorganic aggregate is selected from the group consisting of clay, gypsum, calcium carbonate, mica, silica, alumina, metals, sand, gravel, sandstone,

limestone, hydrated hydraulic cement particles, and mixtures thereof.